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ABSTRACT:

Methods for improving processor performance. Specifically, by reducing some of the latency cycles within a host controller, request processing speed can be improved. One technique for improving processing speed involves initiating a deferred reply transaction before the data is available from a memory controller. A second technique involves anticipating the need to transition from a block next request (BNR) state to a bus priority request (BPRI) state, thereby eliminating the need to wait for a request check to determine if the BPRI state must be implemented.

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L Number	Hits	Search Text	DB	Time stamp
1	1288	snoop\$3 same coherenc\$3 same memory	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/04 13:40
2	113	711/\$.ccls. and 710/\$.ccls. and (snoop\$3 same coherenc\$3 same memory)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/04 13:40
3	161	1.ti,ab.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/04 13:40
4	10	1.ti,ab. and (711/\$.ccls. and 710/\$.ccls. and (snoop\$3 same coherenc\$3 same memory))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/04 13:53
5	2	search\$3 same post\$3 same writeback\$1	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/04 14:04
6	35	next adj snoop\$3	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/04 14:04
7	2	(post\$3 same writeback\$1) same (next adj snoop\$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/04 14:05
8	43	future with snoop\$3	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/04 14:11
9	9	(snoop\$3 same coherenc\$3 same memory) same (future with snoop\$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/04 14:05
10	1	(future with snoop\$3) same (post\$3 near3 writeback\$1)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/04 14:18
11	1	reorder\$3 same (post\$3 near3 writeback\$1)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/04 14:12
12	5	order\$3 same (post\$3 near3 writeback\$1)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/04 14:12
13	2	snoop\$3 same (post\$3 near3 writeback\$1) same (parallel or simultaneous\$2)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/04 14:19
14	18	snoop\$3 same (writeback\$1) same (parallel or simultaneous\$2)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/04 14:33